# Modal Service

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Standardization of the dialogs of the
Rhizom Framework application

Problem

- Lack of componentization
- No default layout
- Difficult to maintain
- Different dialogue control in each implementation
- in short, there is no standard!

Solution, or not

- Create a service responsible for standardizing the entire creation and presentation of a dialogue

- Layout components
- Class to abstract frequently used functions
- A service to create/open the dialogue
- Taking advantage of MatDialog facilities =)
- I love Ionic components and docs
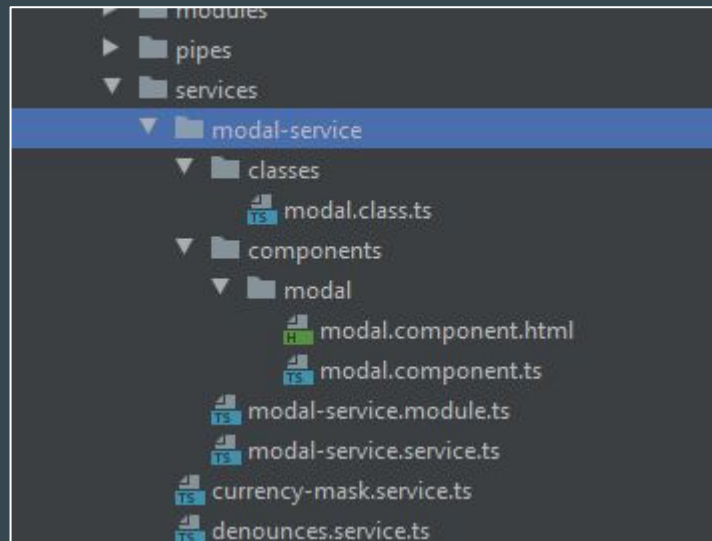
Minha loja   Vender   Minhas vendas   Comprar ⌄   Favoritos (0)   Minhas compras   Perguntas   ⦿ WhatsApp   Show modal

O que você que

hoje?

Aqui você encontra de tudo.

O que você procura?

Subtitle

Title

Content

Cancelar   **Confirmar**

Navegue por catego

Produtos frescos, direto do produto

Pães e Doces

Bebidas e cafés

Frutas e Vegetais

Carnes e proteínas

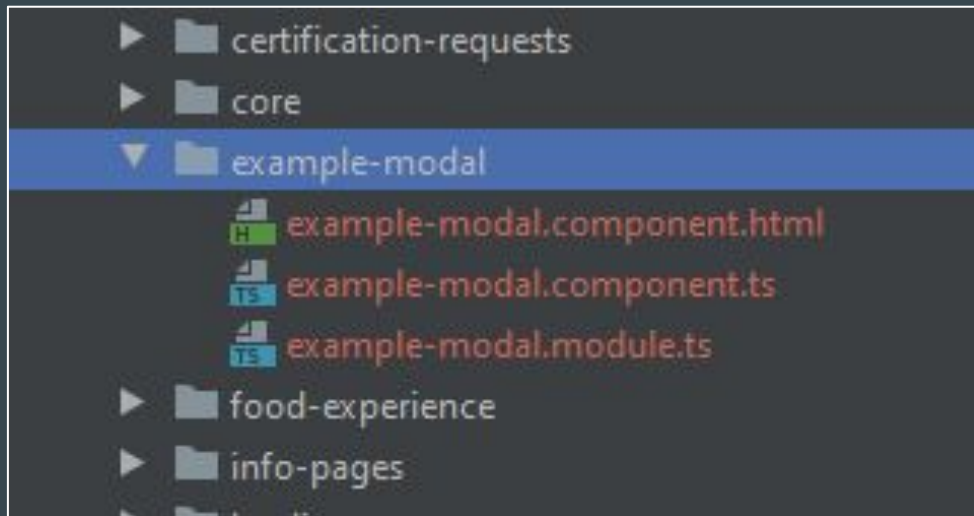Panelas e cia

Okay, but how to apply this pattern?

Files pattern

- Every modal component has to be an independent module

- Filename with suffix "-modal"

Controller

- Extends Modal class

- Mandatory dependencies on the constructor

- Capture data passed to the dialog

```ts
example-modal.component.ts  ×

 4
 5    @Component({
 6        selector: 'app-example-modal',
 7        templateUrl: './example-modal.component.html'
 8    })
 9    export class ExampleModalComponent extends Modal implements OnInit {
10
11        /**
12         * Item example
13         */
14        public item: any;
15
16        /**
17         * Loading control
18         */
19        public loading: boolean = false;
20
21        /**
22         * Inject dependencies
23         * @param dialogRef: MatDialogRef<any>
24         * @param data: any
25         */
26        constructor(public dialogRef: MatDialogRef<any>,
27                    @Inject(MAT_DIALOG_DATA) public data: any = {}) {
28            super(dialogRef, data);
29        }
30
31        /**
32         * Init component
33         */
34        ngOnInit(): void {
35            this.item = this.data.data.item;
36        }
37
38    }
39
```

View

- Use modal component

```
example-modal.component.html  ×

1  <app-modal [title]="'Title'"
2             [preTitle]="'Subtitle'"
3             [faIcon]="'far fa-window-maximize'"
4             [loading]="loading">
5    <ng-container content>
6      <!-- content here -->
7    </ng-container>
8  </app-modal>
9
```

Module

- Import ModalServiceModule


```typescript
import { NgModule } from '@angular/core';
import { CommonModule } from '@angular/common';

/**
 * Components
 */
import { ExampleModalComponent } from './example-modal.component';

/**
 * Modules
 */
import { ModalServiceModule } from '@app/shared/services/modal-service/modal-service.module';

@NgModule({
  declarations: [
    ExampleModalComponent
  ],
  imports: [
    CommonModule,
    ModalServiceModule
  ],
  exports: [
    ExampleModalComponent
  ]
})
export class ExampleModalModule {
}
```

Custom buttons

- Allows you to hide standard buttons (cancel and confirm)

- Allows you to add custom buttons

```html
<app-modal [title]="'Title'"
           [preTitle]="'Subtitle'"
           [faIcon]="'far fa-window-maximize'"
           [loading]="loading"
           [showCancelButton]="false"
           [showConfirmButton]="false">
  <ng-container content>
    <!-- content here -->
  </ng-container>
  <ng-container buttons>
    <button class="btn btn-default mx-2" cdkFocusInitial>Save</button>
  </ng-container>
</app-modal>
```

example-modal.component.html

Showing the dialogue

Simple

```
/**
 * Show modal
 */
showModal() {
  this.modalService.create(ExampleModalComponent);
}
```

Remember: Import the dialog module to the component module that will use it

With more options

- Sending parameters

- Waiting for a return when closing

```
/**
 * Show modal
 * @param params: any
 */
showModal(params: any) {
  const modal = this.modalService.create(ExampleModalComponent, data: {
    item: params
  });
  modal.onClose().subscribe( next: result => {
    if (result && result.confirm) {
      // Do something
    }
  });
}
```

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